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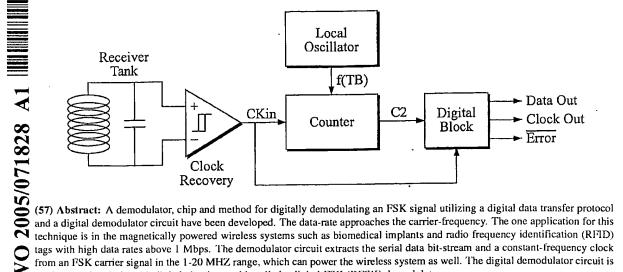
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[Continued on next page]

(54) Title: DEMODULATR, CHIP AND METHOD FOR DIGITALLY DEMODULATING AN FSK SIGNAL



from an FSK carrier signal in the 1-20 MHZ range, which can power the wireless system as well. The digital demodulator circuit is implemented entirely with digital circuitry and is called a digital-FSK (DFSK) demodulator.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/01945

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H03D 3/00 US CL : 375/334 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S.: Please See Continuation Sheet				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category * Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
X US 2002/0045920 A1 (THOMPSON) 18 April 2002	2 (18.04.2002), paragraphs 0018, 0054	1,9,10,11 and 19		
and 0057, figure 4.		2-8, 12-20		
Y US 2001/0002924 A1 (TAJIMA) 7 June 2001 (07.0	6.2001), figure3 and paragraph 0031.	2-5 and 12-15		
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paragraphs 0015-0018. Y US 4,066,841 (YOUNG) 3 January 1978 (03.01.1978), abstract and column 5, line 65 to column 6, line 6.		7,8,17,18 and 20		
A US 4,627,078 (STONER) 2 December 1986 (02.12. to column 7, line 11.	US 4,627,078 (STONER) 2 December 1986 (02.12.1986), figure 4 and column 6, line 50			
Further documents are listed in the continuation of Box C.	See patent family annex.			
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"E" earlier application or patent published on or after the international filling date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken along the constant of the constant is taken along the constant is taken along the constant in th	ered to involve an inventive		
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"O" document referring to an oral disclosure, use, exhibition or other means		}		
"P" document published prior to the international filing date but later than the priority date claimed				
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28 May 2005 (28.05.2005) Name and mailing address of the ISA/US Authorized officer				
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	Kevin M. Burd Telephone No. 703-305-4900			
Facsimile No. (703) 305-3230				

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	Continuation of B. FIELDS SEARCHED Item 3:	
	EAST search terms: fsk, carrier, demodulate	
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